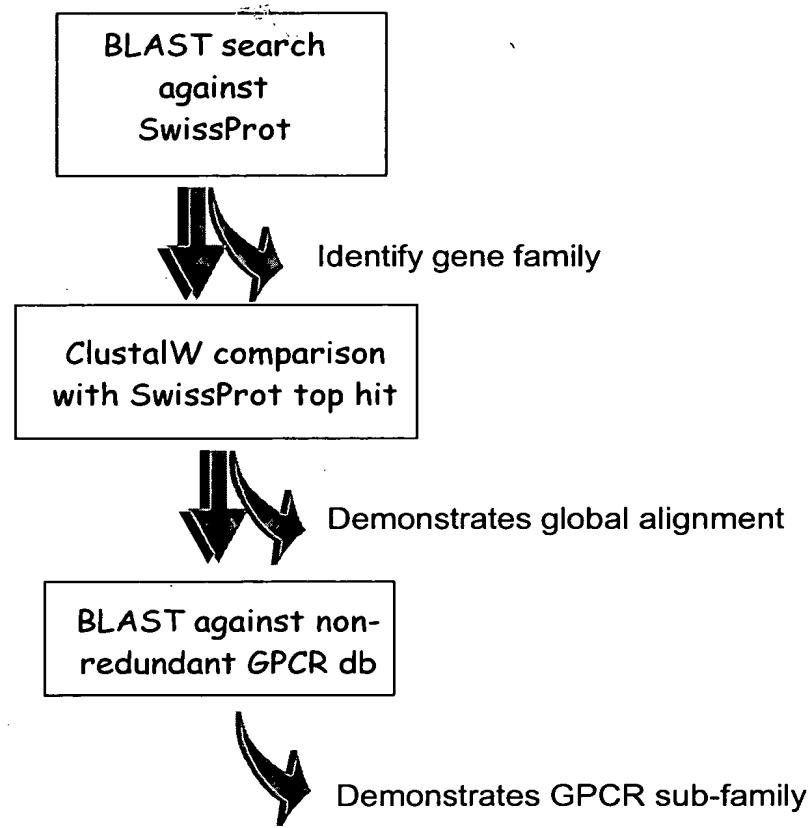


APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

Figure 1



APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

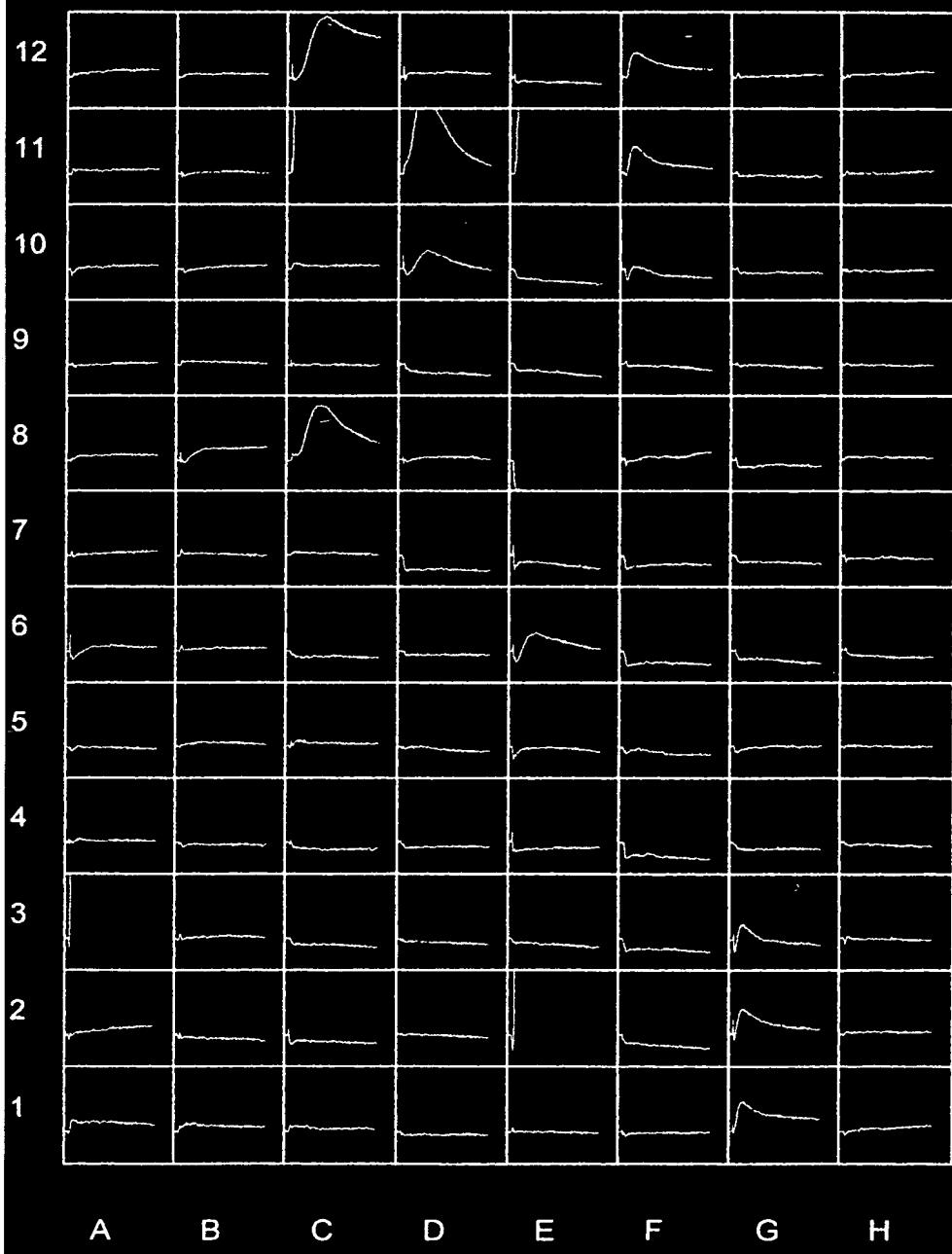
Figure 2

NET293 Partial

061500_n7.fid

22.2

15106180.



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

Figure 3

CLUSTAL W (1.74) multiple sequence alignment

NTR1_RAT	MHLNSSVPQGTPGEPDAQPFSGPQSEMEATFLALSLSNGSGNTSESDTAGPNSDLDVNTD
PFI-002	-----MEKLQNAsWIYQQKLEDPFQKH-----LNSTEEYLAFLCGPRRS-----
	* .. *.:* .. * :* .. *
NTR1_RAT	IYSKVLVTAIYLALFVVGTVGNSVTAFTLARKKSLOSLOSTVHYHLGSLALS DLLLILLA
PFI-002	HF-FLPVSVVYVPIFVVGVIGNVLVCLVILQ---HQAMKTPTNYYLFSLAVSDLLVLLLG
	: : *.:*.:****.:** .. : .. : *: .. :* :* .. :* :* .. :* .. :* ..
NTR1_RAT	MPVELYNFIWVHHPWAFGDAAGCRGYYFLRDACTYATALNVASLSVERYLAICHPKAKTL
PFI-002	MPLEVY-EMWRNYPFLFGPGCYFKTALFETVCFAISILSITTVSVERYVAILHPFRAKLQ
	: :* :*: ** .. ** * : : *: * .. :*****:*** ***:***
NTR1_RAT	MSRSRTKKFISAIWLASALLAIPMLFTMGLQN-RSGDG-THPGGLVCTPIVDTATVKVVI
PFI-002	STRRRALRILGIVWGFSVLFSLPNTSIHGIKFHYFPNGSLVPGSATCTVIKPMWIYNFII
	:* *: : .. :* .. *.*:*** *: : .. :* .. * .. * .. :* .. :* ..
NTR1_RAT	QVNTFMSFLFPMLVISILNTVIANKLTVMVHQAAEQGRVCTVGTHNGLEHSTFNMTIEPG
PFI-002	QVTSFLFYLLPMTVISVLYYLMALR-----
	: :* :*** ***:*** .. :* ..
NTR1_RAT	RVQALRHGVVLRAVVIAFVVCWLPHYVRRLMFCYISDEQWTTFLFDYHYFYMLTNALF
PFI-002	-----
NTR1_RAT	YVSSAINPILYNLVSANFRQVFLSTLACLCPGWRHRRKKRPTFSRKPNMSSNHAFTSA
PFI-002	-----
NTR1_RAT	TRETRY
PFI-002	-----

APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

Figure 4

CLUSTAL W (1.74) multiple sequence alignment

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DRAFTSMAN		

Figure 5

Figure 5A

Nucleotide sequence coding for PFI-002

SEQ ID NO: 1

ATGGAAAAACTTCAGAATGCTTCCTGGATCTACCAAGCAGAAACTAGAAGATC
 CATTCCAGAAACACCTGAACACAGCACCGAGGAGTATCTGGCCTCCTGC
 GGACCTCGGCGCAGCCACTTCTCCTCCCCGTGTCTGGTGTATGTGCCA
 ATTGTTGTTGGGGTCATTGGCAATGTCCTGGTGTGCCTGGTATTCTGC
 AGCACCAGGCTATGAAGACGCCACCAACTACTACACCTCTCAGCCTGG
 CGGTCTCTGA
 CCTCCTGGTCTGCTCCTGGAAATGCCCTGGAGGTCTATGAGATGTGG
 CGCA
 ACTACCCCTTCTGTTGGGCCGTGGCTGCTACTCAAGACGCCCTCTT
 GAGACCGTGTGCTCGCCTCCATCCTCAGCATCACCACCGTCAGCGTGG
 AGC
 GCTACGTGGCCATCCTACACCCGTTCCGCGCCAAACTGCAGAGCAC
 CCCGGCG
 CGGGGCCCTCAGGATCCTCGGCATCGTCTGGGGCTCTCCGTGCTCT
 CCC
 TGCCCAACACCAGCATCCATGGCATCAAGTCCACTACTTCCCC
 ATGGTCCAGGTTGCCACCTGTACGGTCATCAAGCCATGTGGATCTACA
 ATTTCATCATCCAGGTCACCTCTTCTATTCTACCTCCTCCCC
 ATGACTGTCA
 TCAGTGTCTACTACCTCATGGCACTCAGAGTGAGTATCTAG

Figure 5B

Amino acid sequence coding for PFI-002

SEQ ID NO: 2

MEKLQNASWIYQQKLEDPFQKHLNSTEYLAFLCGP
 RRSHFFLPVSVVYVPIFVV
 GVIGNVLVCLVILQHQAMKPTNYYLFS
 LAVSDLLVLLGM
 PLEVYEMWRNYPF
 LFGPVG
 CYFKTALFETVCF
 ASILS
 ITTVS
 VERYV
 AILHP
 FRAKLQ
 SRRRALR
 ILGI
 VWGFSVL
 FSLP
 NTSIH
 GIKF
 HYFP
 NGS
 LVPG
 SATCTV
 IKPM
 WIYN
 FIIQ
 VTSFL
 FYL
 LPMT
 VISV
 LYLM
 ALRV
 SI

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

Figure 6

SEQ ID NO: 3

ACCATGGCAGGGATGGAAAAACTT

SEQ ID NO: 4

GCTCTGAAAGAACATTAGGTTTG

SEQ ID NO: 5

TCCAGAAACACCTGAACAGC

SEQ ID NO: 6

GAGGTAGAATAGGAAGGAGG

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